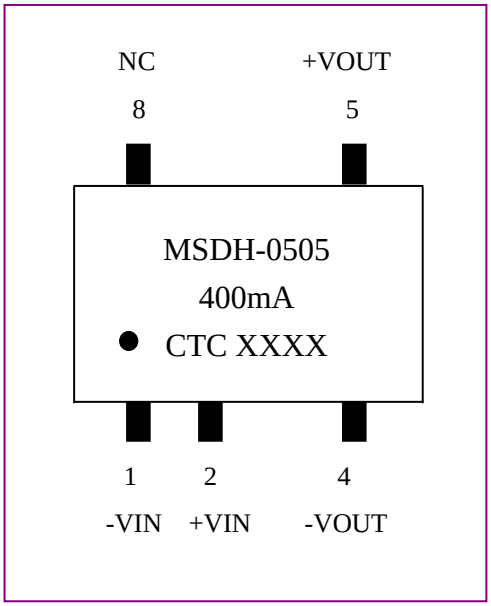
CTC COIL TECHNOLOGY CORPORATION

DC/DC CONVERTER MSDH-XXXX SERIES 2W SINGLE OUTPUT

ELECTRICAL SPECIFICATIONS: UNREGULATED

- Input voltage range ---------- ±10%
- Output voltage accuracy ---------- ± 5 %
- Line voltage regulation ---------- 1.2%Typ./1%Of Vin
- Load voltage regulation (10% ~ 100%)-
  5V Output Types---------- 15% Max.
  9V,12V and 15V Output Types---------- 10% Max.
- Ripple&noise/20MHZ BW ---------- 150mV P-P Max.
- Efficiency at full load---------- 70% Min.
- Isolation voltage ---------- 1000 Vdc Min
- Short circuit protection ---------- 1.0 Second
- Operating temperature range ---------- -40°C to 70°C
- Storage temperature range ---------- -55°C to 125°C
- Isolation resistance ---------- 10G Ω
- Isolation capacity ---------- 43pF Typ.
- Package weight---------- 2.5g
- Reflow Temp---------- 240°C Max.
  (10~30 sec.)



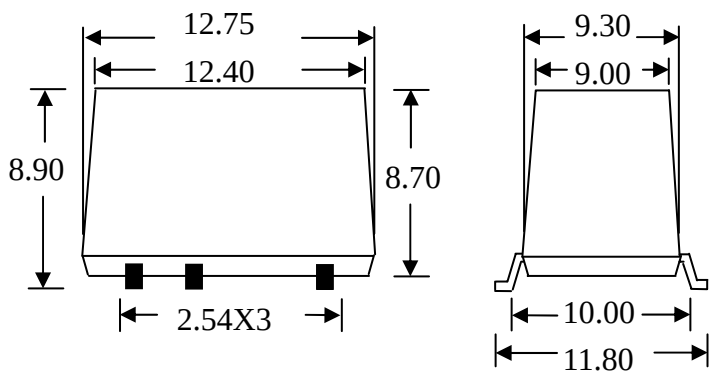
RoHS compliant

Note: Add/H after P/N for isolation 2KVdc

Selection Guide

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
MSDH-XX3.3	5,9,12,15,24	3.3	606	70
MSDH-XX05	5,9,12,15,24	5	400	70
MSDH-XX09	5,9,12,15,24	9	222	72
MSDH-XX12	5,9,12,15,24	12	166	75
MSDH-XX15	5,9,12,15,24	15	133	78
MSDH-XX24	5,9,12,15,24	24	83	78

Package Style And Pinning (mm)



PIN	FUNCTION
1	-VIN
2	+VIN
4	-VOUT
5	+VOUT
8	NC

TOL. : ±0.25mm
UNIT : mm